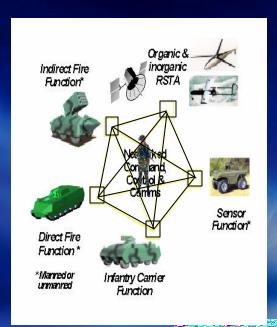
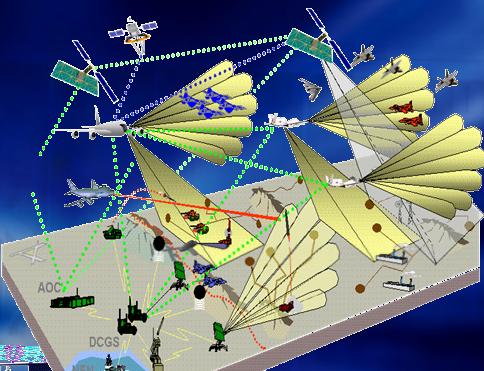
# Taming the Monster: The Next Computing Revolution

Ron Brachman







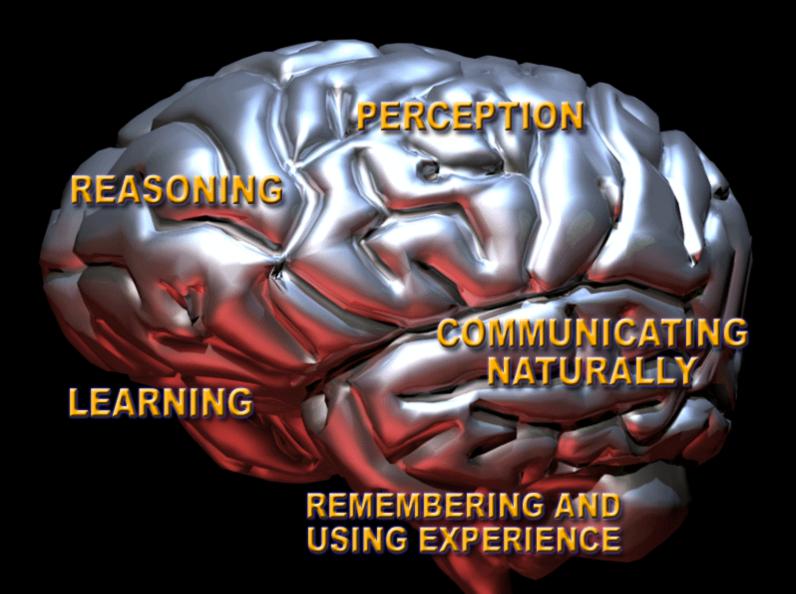
Future Combat Systems

Joint Battlespace Infosphere

**FORCEnet** 







**Real-World Learning** 



Real-World Learning

**Real-World Reasoning** 

Natural Language/ Multimodal Communication

**Episodic Memory** 

**Self-Aware Reflection** 

Perception/Cognition



**Real-World Learning** 

**Real-World Reasoning** 

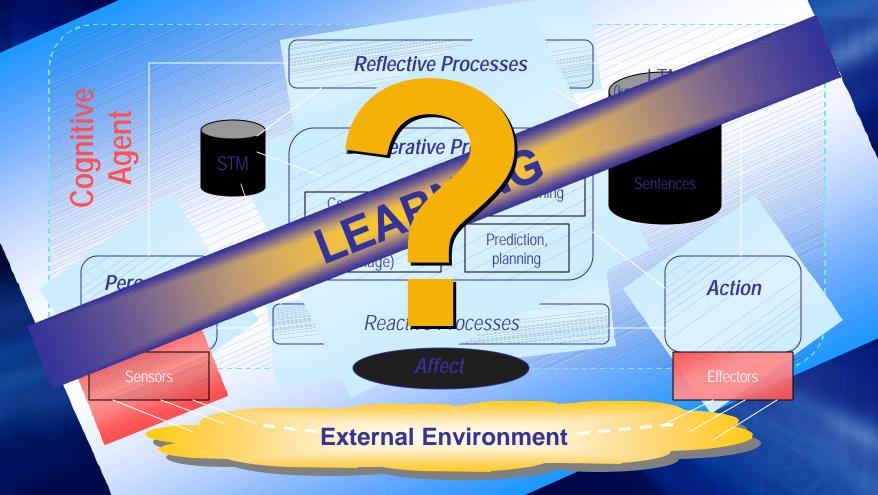
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Single-Agent Cognition

**Real-World Learning** 

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Single-Agent Cognition

Collaborative Cognition

Collective Cognition

Real-World Learning

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Perception/Cog

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Computing

Architectures for Cognitive Information Processing

Computing Technologies

Architectures for Cognitive Information Processing

Self-Regenerative Systems





Self Regenerative Systems

# Reasoning

